

22) An ergonomic paint brush handle comprising:

- (a) a means for attaching a brush head proximate a brush end of said handle;
- (b) said attaching means lying substantially along a brush plane;
- (c) a handle section substantially oriented along a handle axis and spaced from and substantially parallel to said brush plane; and
- (d) a means for joining said attaching means to said handle section in such a manner that said paint brush handle being adapted to be gripped in a hand.

23) The ergonomic paint brush handle claimed in Claim 21, wherein said attaching means including a head section having a brush and connected to said handle section and adapted to receive a brush head mounted thereon, proximate a brush end of said head section.

24) The ergonomic paint brush handle claimed in Claim 21, wherein said paint brush handle includes a transition section for joining together said attaching means and said handle section.

25) An ergonomic paint brush handle comprising:

- (a) a head section substantially oriented along a brush plane and adapted to receive a brush head on one end thereof;
- (b) a handle section substantially oriented along a handle axis; said handle axis being spaced from and substantially parallel to said brush plane;
- (c) a transition section for joining said handle section to said head section and said handle being adapted to be gripped in a hand.

26) The ergonomic paint brush handle claimed in Claim 24, wherein said ergonomic handle adapted for gripping by placing a fore finger along a brush edge, such that when said handle is gripped in a hand said transition section provides relief for the web of a hand.

27) The ergonomic paint brush handle claimed in claim 24 wherein said transition section includes:

a transition section rigidly attached at one end to a shoulder end of said head section, and at the other end to one end of said handle section, said transition section being oriented longitudinally along a transition axis which is disposed at an angle theta relative to said brush plane; such that when said handle is gripped in a hand said transition section provides relief for the web of a hand.

28. The ergonomic paint brush handle claimed in claim 24 wherein said handle section oriented substantially along a handle axis, said handle axis and said brush plane being substantially parallel to each other and disposed at an offset distance and wherein said transition section is dimensioned such that the off set distance falls within the range $\frac{1}{2}$ a forefinger thickness to 3 times a forefinger thickness.
29. The ergonomic paint brush handle claimed in claim 28 wherein said angle theta falls within the range 30 degrees to 60 degrees.
30. The ergonomic paint brush handle claimed in claim 27 wherein the angle theta and the transition section length are selected such that there is just enough relief for the web of the hand such that the fore finger phalanges and meta carpal bones can align and lie substantially along the brush plane.
31. The ergonomic paint brush handle claimed in claim 24 wherein said transition section and said handle section project centrally from said head section such that said ergonomic handle is symmetrical about a handle plane.
32. The ergonomic paint brush handle claimed in claim 21 wherein said handle section is rod shaped and lying substantially longitudinally along said handle axis.
33. The ergonomic paint brush handle claimed in claim 21, wherein said ergonomic handle is oriented for gripping by a right hand.
34. The ergonomic paint brush handle claimed in claim 21, wherein said ergonomic handle is oriented for gripping by a left hand.
35. The ergonomic paint brush handle claimed in claim 23 wherein said head section is planar proximate said brush end and tapers toward a shoulder end.
36. The ergonomic paint brush handle claimed in claim 25 wherein said transition section is dimensioned to conform to the shoulder end dimensions at one end and the handle section dimensioned at the other end thereby providing a smooth transition between

the head section and the handle section.

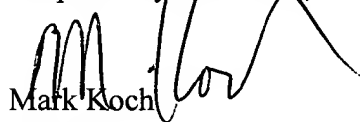
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37. The ergonomic paint brush handle claimed in claim 21 further including a pivot proximate said brush end of said head section such that when said ergonomic handle together with a brush head is laid on a flat surface parallel to a brush plane said bristles are elevated above a flat surface.
38. The ergonomic paint brush handle claimed in claim 37 further weighted to ensure the bristles are elevated above said flat surface.
39. In combination a paint brush comprising an ergonomic paint brush handle and a brush head comprising:
- (a) a brush head;
 - (b) a means for attaching said brush head to said paint brush handle proximate a brush end wherein said attaching means oriented substantially along a brush plane;
 - (c) a handle section integrally part of said paint brush handle and substantially oriented along a handle axis, said handle axis spaced from and substantially parallel to said brush plane, such that said paint brush handle being adapted to be gripped in a hand.

Comments

Please also find a clean copy of all the claims as filed being pages 13 through to 21 including Claims 1 through 39. We also enclose herewith Fee Transmittal for FY 2001 including the fees associated with the extra 19 claims in excess of 20 and also four extra independent claims in excess of 3, for a total of \$662.00 which we enclose herewith with a credit card payment sheet.

We look forward to receiving your response at your earliest convenience and I remain,

Respectfully submitted,



Mark Koch
(44,448)

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I CLAIM:

1. An ergonomic paint brush handle comprising:

5 a) a head section having a shoulder end, a brush end, a brush edge and a shoulder surface, said brush end of said head section for receiving a brush head, and said head section being oriented substantially along a brush plane;

10 b) a longitudinal handle section oriented substantially along a handle axis, said handle axis and said brush plane are substantially parallel to each other and disposed at an offset distance;

15 c) a transition means for rigidly connecting said shoulder end of said head section to one end of said handle section; and

d) wherein said ergonomic handle for gripping by placing a fore finger along said brush edge, and a thumb on said shoulder surface and said handle section lying in the web of a hand between the fore finger and the thumb, such that when said handle is gripped in a hand said transition section provides relief for the web of a hand.

20 2. The ergonomic paint brush handle claimed in claim 1 wherein said transition means comprises:

25 a transition section rigidly attached at one end to said shoulder end of said head section, and at the other end to one end of said handle section, said transition section being oriented longitudinally along a transition axis which is disposed at an angle theta relative to said brush plane; such that when said handle is gripped in a hand said transition section provides relief for the web of a hand.

Sub 31 3. > The ergonomic paint brush handle claimed in claim 2 wherein said transition section is dimensioned such that the off set distance falls within the range $\frac{1}{2}$ a forefinger thickness to 3 times a forefinger thickness.

5 4. The ergonomic paint brush handle claimed in claim 3 wherein said angle theta falls within the range 30 degrees to 60 degrees.

10 5. The ergonomic paint brush handle claimed in claim 2 wherein the angle theta and the transition section length are selected such that there is just enough relief for the web of the hand such that the fore finger phalanges and meta carpal bones can align and lie substantially along the brush plane.

15 6. The ergonomic paint brush handle claimed in claim 2 wherein said transition section and said handle section project centrally from said head section such that said ergonomic handle is symmetrical about a handle plane.

7. The ergonomic paint brush handle claimed in claim 6 wherein said handle section is rod shaped and lying substantially longitudinally along said handle axis.

20 8. The ergonomic paint brush handle claimed in claim 2, wherein said ergonomic handle is oriented for gripping by a right hand.

9. The ergonomic paint brush handle claimed in claim 2, wherein said ergonomic handle is oriented for gripping by a left hand.

25 10. The ergonomic paint brush handle claimed in claim 2 wherein said head section is planar proximate said brush end and tapers toward said shoulder end.

11. The ergonomic paint brush handle claimed in claim 10 wherein said transition section is dimensioned to conform to the shoulder end dimensions at one end and the handle section dimensions at the other end thereby providing a smooth transition between the head section and the handle section.

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12. The ergonomic paint brush handle claimed in claim 11 wherein said handle section is rod shaped and lying longitudinally along said handle axis.

10 Sub B² 13. The ergonomic paint brush handle claimed in claim 12 wherein said handle section being dimensioned to have a thickness falling within the range $\frac{1}{2}$ a forefinger thickness of to 3 times a forefinger thickness.

15 14. The ergonomic paint brush handle claimed in claim 2 further including a pivot proximate said brush end of said head section such that when said ergonomic handle together with a brush head is laid on a flat surface parallel to a brush plane said bristles are elevated above said flat surface.

20 15. The ergonomic paint brush handle claimed in claim 14 further weighted to ensure the bristles are elevated above said flat surface.

16. In combination a paint brush comprising an ergonomic paint brush handle and a brush head comprising:

a) a brush head;

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b) a head section including a shoulder end, a brush end, a brush edge and a shoulder surface, said brush end of said head section is dimensioned to receive said brush

head, and said brush head together with said head section being oriented substantially along a brush plane;

5 c) a longitudinal handle section oriented substantially along a handle axis, said handle axis and said brush plane are substantially parallel to each other and disposed at an offset distance;

d) a transition means for rigidly connecting said shoulder end of said head section to one end of said handle section; and

10 e) wherein said ergonomic handle for gripping by placing a fore finger along said brush edge, and a thumb on said shoulder surface and said handle section lying in the web of a hand between the fore finger and the thumb, such that when said handle is gripped in a hand said transition section provides relief for the web of a hand;

15 17. The paint brush claimed in claim 16 wherein said transition means comprises: a transition section rigidly attached at one end to said shoulder end of said head section, and at the other end to one end of said handle section, said transition section being oriented longitudinally along a transition axis which is disposed at an angle theta
20 relative to said brush plane; such that when said handle is gripped in a hand said transition section provides relief for the web of a hand.

25 18. The paint brush claimed in claim 17 wherein said transition section is dimensioned such that the off set distance falls within the range $\frac{1}{2}$ a forefinger thickness to 3 times a forefinger thickness.

19. The paint brush claimed in claim 18 wherein said angle theta falls

within the range 30 degrees to 60 degrees.

20. The paint brush claimed in claim 19 wherein the angle theta and the transition section length are selected such that there is just enough relief for the web of the hand for the fore finger phalanges and meta carpal bones to align and lie substantially along the brush plane.

21) An ergonomic paint brush handle comprising:

(a) a means for attaching a brush head to said paint brush handle proximate a brush end wherein said attaching means oriented substantially along a brush plane;

(b) a handle section integrally part of said paint brush handle and substantially oriented along a handle axis, said handle axis spaced from and substantially parallel to said brush plane, such that said paint brush handle being adapted to be gripped in a hand.

22) An ergonomic paint brush handle comprising:

(a) a means for attaching a brush head proximate a brush end of said handle;

(b) said attaching means lying substantially along a brush plane;

(c) a handle section substantially oriented along a handle axis and spaced from and substantially parallel to said brush plane; and

(d) a means for joining said attaching means to said handle section in such a manner that said paint brush handle being adapted to be gripped in a hand.

23) The ergonomic paint brush handle claimed in Claim 21, wherein said attaching means including a head section having a brush and connected to said handle section and adapted to receive a brush head mounted thereon, proximate a brush end of said head section.

24) The ergonomic paint brush handle claimed in Claim 21, wherein said paint brush handle includes a transition section for joining together said attaching means and said handle section.

25) An ergonomic paint brush handle comprising:

(a) a head section substantially oriented along a brush plane and adapted to receive a brush head on one end thereof;

(b) a handle section substantially oriented along a handle axis; said handle axis being spaced from and substantially parallel to said brush plane;

(c) a transition section for joining said handle section to said head section and said handle being adapted to be gripped in a hand.

26. The ergonomic paint brush handle claimed in Claim 24, wherein said ergonomic handle adapted for gripping by placing a fore finger along a brush edge, such that when said handle is gripped in a hand said transition section provides relief for the

web of a hand.

27. The ergonomic paint brush handle claimed in claim 24 wherein said transition section includes:

5 a transition section rigidly attached at one end to a shoulder end of said head section, and at the other end to one end of said handle section, said transition section being oriented longitudinally along a transition axis which is disposed at an angle theta relative to said brush plane; such that when said handle is gripped in a hand said transition section provides relief for the web of a hand.

- 10 28. The ergonomic paint brush handle claimed in claim 24 wherein said handle section oriented substantially along a handle axis, said handle axis and said brush plane being substantially parallel to each other and disposed at an offset distance and wherein said transition section is dimensioned such that the off set distance falls within the range 15 $\frac{1}{2}$ a forefinger thickness to 3 times a forefinger thickness.

- 20 29. The ergonomic paint brush handle claimed in claim 28 wherein said angle theta falls within the range 30 degrees to 60 degrees.

- 25 30. The ergonomic paint brush handle claimed in claim 27 wherein the angle theta and the transition section length are selected such that there is just enough relief for the web of the hand such that the forefinger phalanges and meta carpal bones can align and lie substantially along the brush plane.

31. The ergonomic paint brush handle claimed in claim 24 wherein said transition section and said handle section project centrally from said head section such that said

ergonomic handle is symmetrical about a handle plane.

32. The ergonomic paint brush handle claimed in claim 21 wherein said handle section is rod shaped and lying substantially longitudinally along said handle axis.

5 33. The ergonomic paint brush handle claimed in claim 21, wherein said ergonomic handle is oriented for gripping by a right hand.

10 34. The ergonomic paint brush handle claimed in claim 21, wherein said ergonomic handle is oriented for gripping by a left hand.

35. The ergonomic paint brush handle claimed in claim 23 wherein said head section is planar proximate said brush end and tapers toward a shoulder end.

15 36. The ergonomic paint brush handle claimed in claim 25 wherein said transition section is dimensioned to conform to the shoulder end dimensions at one end and the handle section dimensioned at the other end thereby providing a smooth transition between the head section and the handle section.

20 37. The ergonomic paint brush handle claimed in claim 21 further including a pivot proximate said brush end of said head section such that when said ergonomic handle together with a brush head is laid on a flat surface parallel to a brush plane said bristles are elevated above a flat surface.

25 38. The ergonomic paint brush handle claimed in claim 37 further weighted to ensure the bristles are elevated above said flat surface.

39. In combination a paint brush comprising an ergonomic paint brush handle and a brush head comprising:

(a) a brush head;

(b) a means for attaching said brush head to said paint brush handle proximate a brush end wherein said attaching means oriented substantially along a brush plane;

(c) a handle section integrally part of said paint brush handle and substantially oriented along a handle axis, said handle axis spaced from and substantially parallel to said brush plane, such that said paint brush handle being adapted to be gripped in a hand.